

STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

REPORT OF EXAMINATION

TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

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Surface Water

(Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

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Ground Water

(Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE March 6, 1989	APPLICATION NUMBER G2-27514-A	PERMIT NUMBER	CERTIFICATE NUMBER
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NAME South Sound Utility Company			
ADDRESS (STREET) 6800 Meridian Road Southeast	(CITY) Olympia	(STATE) Washington	(ZIP CODE) 98503

PUBLIC WATERS TO BE APPROPRIATED

SOURCE Inlet Heights Well No. 2
TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE 150	MAXIMUM ACRE-FEET PER YEAR 18
QUANTITY, TYPE OF USE, PERIOD OF USE 18 acre-feet	Community domestic supply (36 new connections)	Year-round, as needed

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL 2400 ' East and 425 ' North of the East quarter corner of Section 12.
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LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) NE $\frac{1}{4}$ NE $\frac{1}{4}$	SECTION 12	TOWNSHIP N. 18	RANGE, (E. OR W.) W.M. 2W	W.R.I.A. 13	COUNTY Thurston
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RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
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LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

The NE $\frac{1}{4}$  of Sec. 12 plus that portion of the NW $\frac{1}{4}$  Sec. 7 lying West of Simmons Road plus the N $\frac{1}{2}$ SE $\frac{1}{4}$  Section 12 plus that portion of N $\frac{1}{2}$ SW $\frac{1}{4}$  Section 12, ~~plus that portion of N $\frac{1}{2}$ SW $\frac{1}{4}$  Section 7~~ lying South and West of Brenner Road. Plus that portion of S $\frac{1}{2}$ SW $\frac{1}{4}$  Section 6 lying West of Simmons Road. All being contiguous in T. 18N., R. 2 & 3W, Thurston County.



DESCRIPTION OF PROPOSED WORKS

An 8" x 114' well equipped with a 3 horsepower pump discharging directly to a hydropneumatic distribution system of predominantly 4" and 2 1/2" main lines.

DEVELOPMENT SCHEDULE		
BEGIN PROJECT BY THIS DATE:	COMPLETE PROJECT BY THIS DATE:	WATER PUT TO FULL USE BY THIS DATE:
Started	April 1, 1992	April 1, 1993

REPORT

BACKGROUND:

The priority date of this application is March 6, 1989. On that date South Sound Utility Co., Inc. filed for a permit under the provisions of Chapters 90.03 and 90.44, Revised Code of Washington (RCW) to appropriate public ground water from 3 wells in the amount of 150 gallons per minute (gpm) for community domestic supply. The application was originally assigned application number G2-27514, however, because the application requested supplemental water and additional water within the Thurston County Reservation for future public water supply, the application was split into two applications. One application (G2-27514-A) is for primary water supply for new connections and the other application (G2-27514-B) is for water supplemental to existing rights established prior to August 13, 1986.

A legal notice of the applicant's proposed appropriation was prepared by staff and mailed to the applicant with publication instructions. Public notice was duly published and appeared in a local news paper. No objections were received as a result of the public notice.

INVESTIGATIONS:

I conducted a field examination of this project on February 7, 1991. The applicant was not present during the site visit.

The property and wells are located approximately 4 miles west of downtown Olympia, Washington, and south west of The Evergreen State College at an elevation of approximately 170 feet above sea level and 1250 feet from Eld Inlet. The property around the site is partially developed land with many lots still wooded in second or third growth timber.

The property South Sound Utility wants to serve water to, with this application, is covered under two previous water right certificates. A new water right application (G2-27623) has been submitted to expand the service to more customers. A summary of water rights is as follows.

Water right No. G2-25248 which serves Inlet Heights (I.H.) from well I.H. No. 1, allows 88 gpm and 7.5 acre-feet annually for 15 connections.

Water right No. G2-26012 which serves Simmons Court (S.C.) from well S.C. No. 1, allows 62 gpm and a total of 20 acre-feet annually for 40 connections of which 12 acre-feet is for primary supply (New water needed) and 8 acre-feet is supplemental to water right G2-25376. The supplemental water has never been used and no pipeline exists to serve the supplemental area, therefore, the 8 acre-feet supplemental to water right certificate G2-26012 should be relinquished and a new certificate issued for 12 acre-feet and 24 connections ( see the conditions and provisos of the permit below).

This application (No. G2-27514-A) will serve both Simmons Court and Inlet Heights from a new well (I.H. No. 2) for up to 150 gpm. The application originally had three wells on it, however, only one new well is being constructed, therefore the permit is for one well only. There will be 36 new connections covered under this water right which amounts to 18 acre-feet of water.

Water right No. G2-27514-B was split from water right No. G2-27514-A, and uses the same well (I.H. No. 2) to supplement existing water rights established prior to August 13, 1986, and therefore has a different priority date of August 13, 1986. There are 19.5 acre-feet of water covered under existing water rights with priority dates established prior to August 13, 1986, therefore water right G2-27514-B will allow 19.5 acre-feet of water to supplement the existing system and will have a priority date of August 13, 1986.

The original inlet heights well (I.H. No. 1) was completed to a depth of 207 feet, but had water quality problems. Well I.H. No. 2 was drilled to a depth of 120 feet and is currently supplying the system. When an alternative source of water becomes available, from Simmons Court or Aspenwall Estates, well No. 1 will be reconstructed to a depth of 120 feet.



Report Continued

The water requirement for this system should not exceed an average daily use of 450 gallons per residence. This includes sufficient water to sprinkle up to one half acre of lawn and/or garden per residence.

CONCLUSIONS:

In accordance with Chapters 90.03 and 90.44 RCW, I find there is water available for appropriation from the source in question, the appropriation is a beneficial use and will not impair existing rights or be detrimental to public welfare.

RECOMMENDATIONS:

I recommend approval of this application and issuance of a permit to allow appropriation of 150 gpm from one well for community domestic supply. The period of use is year-round as needed. The total annual withdrawal covered under this water right amounts to 18 acre-feet primary supply to 36 new connections. At no time should the total annual water use by the entire system (including all previous water rights) exceed 37.5 acre-feet.

Approval is subject to the following conditions and provisions:

At time of proof of appropriation the well covered under this water right must be connected with the wells covered under water right G2-25248, and G2-26012 if supplemental coverage listed on this application is to continue.

Prior to certification of this application, supplemental water rights covered under water right application No. G2-26012 must be relinquished.

An approved measuring device shall be installed and maintained in accordance with RCW 90.03.360, WAC 508-64-020 through -040 (installation, operation, and maintenance requirements are attached).

Meter readings shall be recorded monthly and a summary of the monthly totals shall be submitted to the South West Regional Office of the Department of Ecology by February 1, of each year.

Installation and maintenance of an access port as described in Ground Water Bulletin No. 1 is required. An air line and gauge may be installed in addition to the access port.

The use of the waters to be appropriated under this application will be for a public water supply. The State Board of Health rules require every owner of a public water supply to obtain written approval from the Office of Water Supply, Department of Health, Mail Stop LD-11, Building 3, Olympia, Washington 98504, prior to any new construction or alterations of a public water supply.

All water wells constructed within the state shall meet the minimum standards for construction and maintenance as provided under RCW 18.104, Washington Water Well Construction Act of 1972, and Chapter 173-160 WAC, Minimum Standards for Construction and Maintenance of Wells.

The Water Resources Act of 1971 specifies certain criteria regarding utilization and management of the waters of the state in the best public interest. Favorable consideration of this application has been based on sufficient waters available, at least during portions of the year. However, it is pointed out to the applicant that this use of water may be subject to regulation at certain times, based on the necessity to maintain water quantities sufficient for preservation of the natural environment.

A well log of the well shall be submitted by the driller to the Department of Ecology within 30 days of completing this well. This well log shall be complete and all information concerning the static water level in the well, in addition to any pump test data, shall be submitted as it is obtained.

In accordance with WAC 173-160-205, wells shall not be located within certain minimum distances of potential sources of contamination. These minimum distances shall comply with local health regulations, as appropriate. In general, wells shall be located at least 100 feet from a sewer, septic tank, privy, or other source of contamination. Wells shall not be located within 1,000 feet of a solid waste landfill.

This permit is subject to the implementation of the minimum requirements established in the Interim Guidelines for Public Water systems Regarding Water Use Reporting, Demand Forecasting Methodology and Conservation Programs, July 1990, which are attached. In addition, a model compliance manual is attached.

REPORTED BY:  DATE: June 5, 1991

The statutory permit fee for this application is \$20.00.